



# PENNSYLVANIA STATE FIRE ACADEMY

## FIRE INSPECTOR I SKILLS

### Fire Inspector 1 Skill Stations

NFPA 1031 – Chapter 4 (2014 Edition)

Station A	Prepare Inspection Reports	MANDATORY
Station B	Recognize Need for Permit	MANDATORY
Station C	Need for Plan Review	MANDATORY
Station D	Investigate Complaints	MANDATORY
Station E	Identify Applicable Codes/Standards	MANDATORY
Station F	Participate in Legal Proceedings	MANDATORY
Station G	Occupancy Classification	MANDATORY
Station H	Compute Occupant Load	MANDATORY
Station I	Inspect Means of Egress	MANDATORY
Station J	Construction Type/Remodeling Project	MANDATORY
Station K	Fixed Suppression Systems	MANDATORY
Station L	Detection and Alarm Systems	MANDATORY
Station M	Portable Fire Extinguishers	MANDATORY
Station N	Hazardous Conditions	MANDATORY
Station O	Plan Comparison - Installed System	MANDATORY
Station P	Emergency Planning/Preparedness	MANDATORY
Station Q	Emergency Site Access	MANDATORY
Station R	Code Compliance/Incidental Storage	MANDATORY
Station S	Code Compliance/HAZMAT	MANDATORY
Station T	Fire Growth Potential	MANDATORY
Station U	Code Compliance	MANDATORY
Station V	Flow Testing	MANDATORY
Station W	Fire Flow Test Computation - Graphical Analysis	MANDATORY
Station X	Fire Flow Test Computation - Mathematical Method	MANDATORY



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>STATION A - Prepare Inspection Report</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.1</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Conduct a fire safety inspection of a single use occupancy and complete an inspection report which outlines the findings of the inspection. The report should be clear and concise and accurately reflect the findings of the inspection to include any deficiencies referenced to the appropriate codes and standards.

**Performance Outcome:** Pass / Fail is determined by **6 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Follows agency policies/procedures for conducting field inspection		
<b>2</b>	Conducts field inspection		
<b>3</b>	Prepares a report of inspection		
<b>4</b>	Utilizes observations from field inspection		
<b>5</b>	Report is clear and concise		
<b>6</b>	Report accurately reflects findings of the inspection		
<b>7</b>	Applicable codes, standards and agency policies cited		
<b>8</b>	Prepared report is complete and contains all essential information		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station B - Recognize Need for Permit</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.1</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Review the attached documentation/scenario. Using the International Fire Code determine whether a permit is required and if so, what specific type of permit. Draft a letter to the concerned party indicating the need for a permit and the proper steps to follow in order to apply for the permit according to your jurisdictions policies/procedures

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Recognizes need for permit		
<b>2</b>	Understands the type of permit required		
<b>3</b>	Direct written communication to the proper responsible party		
<b>4</b>	Communicates why the permit is necessary		
<b>5</b>	Advises party how to proceed with securing necessary permit		
<b>6</b>	Follows policies and procedures of the agency or jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station C - Need for Plan Review</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.3</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Given the attached scenario description determine whether a plan review is necessary, and if so, what type of review is required. Prepare a letter to the responsible party which indicates the need for the review and outlines the process to obtain a review based on the policies and procedures of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Recognize the need for plan review		
<b>2</b>	Understand the type of plan review required		
<b>3</b>	Communicate effectively orally and in writing to the proper responsible party why the plan review is necessary		
<b>4</b>	Advise party how to proceed with obtaining a plan review		
<b>5</b>	Adheres to the policies and procedures of the agency or jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station D - Investigate Complaints</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.4</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Given the attached scenario, list the steps necessary in investigating the complaint following your agencies policies/procedures, reference any applicable policies, codes or standards used in investigating the complaint, and prepare written correspondence outlining the necessary steps to correct any deficiencies.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Receive complaint with attentiveness and concern		
<b>2</b>	Record the complaint information for future reference		
<b>3</b>	Research applicable codes and standards		
<b>4</b>	Perform an investigation to confirm situation		
<b>5</b>	Resolve complaint based on policies, codes and standards		
<b>6</b>	Communicate effectively orally and in writing		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

Station E - Identify Applicable Codes/Standards		Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.5	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Given the attached scenario, identify the applicable code or standard for the situation including the proper edition and section.

**Performance Outcome:** Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
1	Identify the applicable code or standard for the situation presented		
2	Reference the proper document containing code or standard		
3	Reference the proper edition of applicable code or standard		
4	Reference the correct section of the applicable code or standard		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station F - Participate in Legal Proceedings</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.2 Administration - 4.2.6</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Given a scenario involving a fire safety issue and a written inspection report, assume the role of the Fire Inspector I in a courtroom scenario. Outline the nature of the issue or issues for the court, referencing any applicable codes or standards and respond to questions regarding the issue appropriately so that the procedures for non-compliance are outlined in accordance with the policies and procedures of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
1	Inform the court of the problem, legal requirements and local procedures for non-compliance with the notice		
2	Demonstrate appropriate courtroom dress and grooming		
3	Demonstrate appropriate courtroom demeanor <ul style="list-style-type: none"> <li>• Posture</li> <li>• Mannerisms</li> <li>• Composure</li> <li>• Confidence</li> </ul>		
4	Demonstrate appropriate communication skills <ul style="list-style-type: none"> <li>• Respond to questions appropriately</li> <li>• Maintain objectivity</li> <li>• Uses appropriate professional language</li> <li>• Avoid using jargon/idiomatic expressions and profanity</li> <li>• Accurately conveys facts</li> <li>• Testimony is consistent with documented facts</li> </ul>		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station G - Occupancy Classification</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.1</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached occupancy use and description determine the occupancy classification based on applicable codes and standards.

**Performance Outcome:** Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Identify occupancy classification of given occupancy using information from scenario or observations		
<b>2</b>	Consider use of occupancy in making occupancy classification		
<b>3</b>	Utilizes appropriate codes and standards in making classification		
<b>4</b>	Correct occupancy classification determined based on applicable codes and standards		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station H - Compute Occupant Load</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.2</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____Initial _____Retest

**Directions:** Given the attached detailed description of a single use occupancy (or portion thereof) or an actual field situation from an inspection, calculate the allowable occupant load in accordance with applicable codes and standards.

**Performance Outcome:** Pass / Fail is determined by **4 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Calculate allowable occupant load for single use occupancy		
<b>2</b>	Use given description of occupancy to establish occupant load		
<b>3</b>	Use applicable codes and standards to establish occupant load		
<b>4</b>	Utilize proper occupant load formula for calculation		
<b>5</b>	Utilizes measuring tools as necessary to assist in determining occupancy load calculations		
<b>6</b>	Makes field sketches as necessary to assist in determining occupancy load calculations		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station I - Inspect Means of Egress</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.3</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Given a scenario or situation from an actual field inspection inspect means of egress elements so that means of egress elements are maintained in compliance with applicable codes and standards, and any deficiencies are identified, documented and reported in accordance with applicable codes and standards.

**Performance Outcome:** Pass / Fail is determined by **6 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Make personal observations or use given field observations		
<b>2</b>	Inspect means of egress elements for an existing building		
<b>3</b>	Ensure that means of egress are being maintained		
<b>4</b>	Confirm compliance with applicable codes and standards		
<b>5</b>	Identify and document deficiencies		
<b>6</b>	Report deficiencies in accordance with agency policies		
<b>7</b>	Utilizes measuring tools as necessary to assist in determining means of egress calculations		
<b>8</b>	Makes field sketches as necessary to assist in determining means of egress calculations		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station J - Construction Type/Remodeling Project</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.4</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Given the attached scenario description or observations from an actual field inspection of a remodeling project, verify the type of construction so that it is identified and recorded in accordance with the policies of the jurisdiction. Determine if materials being used meet applicable codes and standards.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Make field observations or use project descriptions		
<b>2</b>	Classify type of construction or addition or remodeling project		
<b>3</b>	Record construction type in accordance with applicable codes		
<b>4</b>	Record construction type in accordance with agency policies		
<b>5</b>	Determine if materials being used meet applicable codes and standards		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station K - Fixed Suppression Systems</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.5</b>	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial    ____ Retest

**Directions:** Using the attached scenario description or observations from a field inspection of an installed fixed suppression system determine the operational readiness of the system in accordance with applicable codes and standards. Document and report any deficiencies according to agency policies/procedures.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Determine operational readiness of fixed suppression system		
2	Use test documentation to determine operational readiness		
3	Use field observations to determine operational readiness		
4	Verify documentation of maintenance and testing of system		
5	Identify and document deficiencies according to policies of jurisdiction		
6	Report deficiencies in accordance with policies of jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station L - Detection and Alarm Systems</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.6</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from a field inspection of an installed detection and alarm system determine the operational readiness of the system in accordance with applicable codes and standards. Document and report any deficiencies according to agency policies/procedures.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Determine operational readiness of the detection/alarm system		
<b>2</b>	Use test documentation to determine operational readiness		
<b>3</b>	Use field observations to determine operational readiness		
<b>4</b>	Verify documentation of maintenance and testing of system		
<b>5</b>	Identify and document deficiencies according to policies of jurisdiction		
<b>6</b>	Report deficiencies in accordance with policies of jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station M - Portable Fire Extinguishers</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.7</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from a field inspection determine the operational readiness of any portable fire extinguishers in accordance with applicable codes and standards. Document and report any deficiencies according to agency policies/procedures.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Determine operational readiness of portable fire extinguishers		
<b>2</b>	Use test and maintenance documentation to determine operational readiness		
<b>3</b>	Use field observations to verify proper type, size and location of fire extinguishers		
<b>4</b>	Identify and document deficiencies according to policies of jurisdiction		
<b>5</b>	Report deficiencies in accordance with policies of jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station N - Hazardous Conditions</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.8</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from a field inspection identify hazardous conditions involving equipment, processes and operations so that they are conducted in accordance with applicable codes and standards and any deficiencies are identified, documented and reported according to agency policies/procedures.

**Performance Outcome:** Pass / Fail is determined by **7 of 7** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Identify hazardous materials, equipment, processes and operations		
<b>2</b>	Identify and document specific applicable codes, standards and policies of the jurisdiction involving given situation		
<b>3</b>	Verify equipment is being maintained and operated in accordance with applicable codes and standards		
<b>4</b>	Verify processes or operations are being maintained and operated in accordance with applicable codes and standards		
<b>5</b>	Quantities/amounts over exempt are referred appropriately		
<b>6</b>	Identify and document deficiencies according to policies		
<b>7</b>	Report deficiencies according to policies of the jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station O - Plan Comparison - Installed System</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.9</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached documents compare the “approved plan” to the “as built/installed” plan, noting any changes or deficiencies. Prepare a report listing the changes/deficiencies in accordance with your agencies policies/procedures.

**Performance Outcome:** Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Compare approved plans to an installed fire protection system		
<b>2</b>	Identify any modifications to the systems		
<b>3</b>	Document any modifications to the systems accordingly		
<b>4</b>	Report modifications as necessary given agency policies		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station P - Emergency Planning/Preparedness</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.10</b>	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial    ____ Retest

**Directions:** Given the attached scenario description or observations from an actual field inspection assure emergency planning and preparedness measures are in place and have been practiced so that plans are prepared and exercises have been performed in accordance with applicable codes and standards. Identify, document and report any deficiencies in accordance with the policies/procedures of your jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Verify that an emergency preparedness plan is in place		
<b>2</b>	Review written plan as it applies to codes and standards		
<b>3</b>	Review documentation of emergency plan exercises		
<b>4</b>	Use field observations to confirm emergency preparedness		
<b>5</b>	Identify and document deficiencies in the emergency plan according to policies of the jurisdiction		
<b>6</b>	Report deficiencies according to the policies of the jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station Q - Emergency Site Access</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.11</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from an actual field inspection inspect emergency access to an existing site, assuring that access for emergency responders is maintained and any deficiencies are identified, documented and corrected in accordance with applicable codes, standards and policies of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Identify emergency access requirements based on scenario/situation		
<b>2</b>	Determine if required emergency access is being maintained		
<b>3</b>	Identify deficiencies with site access according to applicable codes, standards and local jurisdiction policies		
<b>4</b>	Document any deficiencies according to codes, standards, policies		
<b>5</b>	Assure deficiencies are corrected according to codes, standards, policies		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

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## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station R - Code Compliance/Incidental Storage</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.12</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from an actual field inspection verify code compliance for incidental storage, handling and use of flammable and combustible liquids and gases so that applicable codes and standards are addressed. Identify, document and report any deficiencies in accordance with the applicable codes, standards and policies of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Use observations or scenario information to determine issues related to code compliance for incidental storage of flammables/combustibles		
2	Verify code compliance for storage, handling and use of flammable and combustible liquids		
3	Verify code compliance for storage, handling and use of flammable and combustible gases		
4	Identify applicable codes, standards and guidelines used to determine compliance		
5	Identify any deficiencies according to codes, standards and guidelines		
6	Document and report deficiencies according to jurisdiction policies		
<b>Please indicate skill outcome</b>			
			<b>PASS</b> <b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_      **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

Station S - Code Compliance / HAZMAT		Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.13	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Using the attached scenario description or observations from an actual field inspection verify code compliance for transportation settings and incidental storage, handling and use of hazardous materials so that applicable codes and standards are addressed. Identify, document and report any deficiencies in accordance with the applicable codes, standards and policies of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
1	Uses observations or scenario information to determine issues related to code compliance for incidental storage of hazardous materials		
2	Verifies code compliance for storage, handling and use of hazardous materials		
3	Identifies applicable codes, standards and guidelines to determine compliance		
4	Identifies any deficiencies according to codes, standards and guidelines		
5	Documents and reports deficiencies according to jurisdiction policies		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station T - Fire Growth Potential</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.14</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Using the attached scenario description or observations from an actual field inspection recognize any hazardous fire growth potential so that the hazardous conditions are identified, documented and reported in accordance with the applicable codes, standards and policies of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Recognize hazardous fire growth potential given a scenario or field observations		
<b>2</b>	Identify and document conditions contributing to the potential situation		
<b>3</b>	Identify applicable codes, standards and guidelines to determine compliance		
<b>4</b>	Identify remedies for the hazardous conditions		
<b>5</b>	Document and report deficiencies in accordance with jurisdiction policies		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station U - Code Compliance</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.15</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Using the attached scenario description or observations from an actual field inspection verify code compliance for a specific fire protection issue so that the applicable codes and policies are identified, and compliance is determined. Prepare written correspondence to the responsible party outlining the issue, referencing the appropriate codes and standards, and any acceptable ways to correct the deficiency or problem.

**Performance Outcome:** Pass / Fail is determined by **8 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
1	Identify fire safety issue in writing		
2	Note appropriate fire protection and prevention practices		
3	List acceptable ways to correct deficiency/problem		
4	All pertinent information included		
5	Correspondence is clear and legible		
6	Spelling, grammar and punctuation appropriate		
7	Applicable codes and standards referenced appropriately		
8	Deficiencies reported according to codes, standards, policies of agency		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station V - Flow Testing</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.16</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b>  _____ <b>Initial</b> _____ <b>Retest</b>

**Directions:** Given flow test equipment and an installed water distribution system, verify fire flows for a site so that the results are documented accordingly and the fire flow is confirmed as being in accordance with applicable codes and standards. Identify, document and report any deficiencies in accordance with the applicable policies and procedures of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **15 of 15** tasks being correctly performed.

No.	Tasks	Yes	No
1	Assure proper use of personal protective equipment		
2	Personnel located at test hydrant and all flow hydrants as necessary		
3	Remove cap from test hydrant and attach pressure gauge		
4	Assure all remaining caps are snug and open hydrant		
5	Bleed air from pressure gauge using petcock (if applicable)		
6	Read and record static pressure on test hydrant pressure gauge		
7	Remove cap(s) from the outlet(s) on the flow hydrants		
8	Check and record the hydrant coefficient		
9	Open flow hydrants as necessary		
10	Record velocity pressure of flow hydrants using pitot gauge		
11	Record residual pressure on test hydrant		
12	Slowly close the flow hydrants, assure drainage and replace caps		
13	Close test hydrant and replace caps		
14	Record all results		
15	Were all skills completed in a safe manner		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station W - Fire Flow Test Computation Graphical Analysis</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.16</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Given the attached scenario description and water supply data, determine flow results and graph them accordingly on the paper provided in order to determine available fire flow in GPM at 20 psi residual pressure. Verify flow results are in accordance with the applicable codes and standards. Any deficiencies should be identified, documented and reported according to agency policies and procedures.

**Performance Outcome:** Pass / Fail is determined by **8 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
1	Determine which GPM scale should be utilized		
2	Locate and plot the static pressure on the vertical scale at 0 GPM		
3	Locate the total water flow measured during the test on the chart		
4	Locate the residual pressure noted during the test on the chart		
5	Plot the residual pressure above the total water flow measured		
6	Draw a straight line from the static pressure point through the residual pressure point on the water flow scale		
7	Read the GPM available at 20 psi residual and record the figure		
8	Identify deficiencies, document and report in accordance with policies and procedures of the jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FIRE INSPECTOR I SKILLS

<b>Station X - Fire Flow Test Computation - Mathematical Method</b>		<b>Reference NFPA 1031, Chapter 4 - 2014 Edition Mandatory JPR 4.3 Field Inspection - 4.3.16</b>	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

**Directions:** Given a scenario and water supply data, mathematically compute the available fire flow for the site. Verify the fire flow is appropriate given applicable codes and standards. Identify, document, and report any deficiencies in accordance with the applicable policies and procedures of the jurisdiction.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Determine the <i>h r factor</i> (pressure drop to residual pressure) according to the table provided		
2	Determine the <i>h f factor</i> (pressure drop during test) according to the table provided		
3	Multiply <i>Q<sub>f</sub></i> (flow during test) to correct <i>h r factor</i> from table provided		
4	Divide figure determined in Line 3 by correct <i>h f factor</i> from the table provided = <i>Q<sub>r</sub></i>		
5	Correctly determines the <i>Q<sub>r</sub></i> (flow available at desired residual pressure)		
6	Identify deficiencies, document, and report in accordance with policies and procedures of the jurisdiction		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #** \_\_\_\_\_